**Productive Struggle Protocol**  
  
Each time you get stuck during this exercise, answer the following questions *as completely as possible* and record problem on the reflection sheet on the second page.

|  |
| --- |
| **What have you noticed so far?** (List anything you understand about the problem/issue) |
| **What are you trying to find out?** (Describe this in your own words) |
| **What do you wish you knew?** (Describe information and/or methods that would be helpful) |

**Productive Struggle Reflection Sheet**

|  |  |  |
| --- | --- | --- |
| **Where did I get stuck?** | **How did I get unstuck?** | **Confidence** (rate on a scale of 1 to 5)  **1** – I have no idea  **2** – I understand a part of it  **3** – I kind of get it  **4** – I could do a similar problem  **5** – I should be the teacher |
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|  |  |  |

**Self-Reflection Thoughts**

What are some general mathematical ideas that you now understand?

What are some strategies/techniques that worked for you?

*Possible three question survey on future tasks such as this….I forget the example questions that we came up with.*